

AMENDMENTS TO THE SPECIFICATION

IN THE SPECIFICATION:

Please amend the paragraph on page 33, lines 1-5 as follows:

--As shown in Fig. 2, the probe array **4** is incubated in the presence of sample **8** under conditions allowing the labeled probe targets in the target mixture **8** to hybridize with probes in the probe array. As depicted in Fig. 2, target species **S₁ T₁**—has bound to probe species **P₂** and **P₄**, while target species **S₃** has hybridized with, probe species **P₂**, **P₃**, and **P₅**. Accordingly, $t_{21} = t_{41} = t_{23} = t_{33} = t_{53} = 1$.--